BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/14/2021-22 Dated 15-12-2021

MODIFIED APPROVED TENDER SCHEDULE –'B'

Item 05

Name of Work :-Additional and Alteration of School Buildings at Kanakanagara, Allalasandra and Ambedkar Nagara in Ward No 04

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri RAGHUNATH B P	
				Rate	Rate in Words
1	KSRRB M200-12.3.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.C.Prestressed/Reinforced Cement Concrete Grade M-20 & above.Morth Specification No, 202.(Page No 139,Item No 18.19)	Cum	65.80	1800.21	One Thousand Eight Hundred Paise TwentyOne Only
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. Pg No 139,Item No 18.23	Cum	81.98	397.65	Three Hundred NinetySeven Paise SixtyFive Only
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51.	Sqm	264.68	97.43	NinetySeven Paise FourtyThree Only
4	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)	Sqm	451.79	41.92	FourtyOne Paise NinetyTwo Only
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4	Cum	269.79	70.38	Seventy Paise ThirtyEight Only
6	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4	Cum	244.24	508.68	Five Hundred Eight Paise SixtyEight Only

	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBSPg No 7, Item No 2.15	Cum	19.98	2751.86	Two Thousand Seven Hundred FiftyOne Paise EightySix Only
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kg,s, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation Plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2Pg No.13 Item No 4.6 of PWD SR 2018-19)	Cum	46.92	6706.56	Six Thousand Seven Hundred Six Paise FiftySix Only
9	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.5 of PWD SR 2018-19)	Cum	28.80	6741.03	Six Thousand Seven Hundred FourtyOne Paise Three Only
10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas perspecifications.KBS 5.1.13 Pg No 25 item No 5.6	Cum	59.75	5206.90	Five Thousand Two Hundred Six Paise Ninety Only
11	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10	Cum	170.97	227.72	Two Hundred TwentySeven Paise SeventyTwo Only
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No16, Item No 4.28	Sqm	131.40	292.29	Two Hundred NinetyTwo Paise TwentyNine Only
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31	Sqm	94.73	405.59	Four Hundred Five Paise FiftyNine Only

	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No.KBS 4.6.2, Pg No 16, Item No 4.32	Sqm	195.90	516.61	Five Hundred Sixteen Paise SixtyOne Only
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2	Sqm	316.44	453.17	Four Hundred FiftyThree Paise Seventeen Only
16	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36	Sqm	27.51	855.35	Eight Hundred FiftyFive Paise ThirtyFive Only
17	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34	Sqm	243.44	330.81	Three Hundred Thirty Paise EightyOne Only
18	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38	Sqm	37.94	589.12	Five Hundred EightyNine Paise Twelve Only
19	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37	Sqm	10.04	365.93	Three Hundred SixtyFive Paise NinetyThree Only
20	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10	Cum	88.86	7383.34	Seven Thousand Three Hundred EightyThree Paise ThirtyFour Only

	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum	7.45	7647.31	Seven Thousand Six Hundred FourtySeven Paise ThirtyOne Only
22	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum	11.58	7715.29	Seven Thousand Seven Hundred Fifteen Paise TwentyNine Only
			4.76	7715.29	Seven Thousand Seven Hundred Fifteen Paise TwentyNine Only
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2	Cum	79.11	7026.47	Seven Thousand TwentySix Paise FourtySeven Only
24	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20	Sqm	7.88	567.59	Five Hundred SixtySeven Paise FiftyNine Only
			2.16	567.59	Five Hundred SixtySeven Paise FiftyNine Only

	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne	20.35	99036.47	NinetyNine Thousand ThirtySix Paise FourtySeven Only
26	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2		5.83	99883.89	NinetyNine Thousand Eight Hundred EightyThree
		Tonne	3.47	99883.89	NinetyNine Thousand Eight Hundred EightyThree Paise EightyNine Only
27	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm	114.45	1033.22	One Thousand ThirtyThree Paise TwentyTwo Only
28	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm	140.85	1101.20	One Thousand One Hundred One Paise Twenty Only
29	KSRB 6-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0 Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2(BCSR Item No 6.6,Page No.29)	Cum	16.08	7665.08	Seven Thousand Six Hundred SixtyFive Paise Eight Only
30	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116 Item	Sqm	199.75	295.69	Two Hundred NinetyFive Paise SixtyNine Only

	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16	Sqm	358.51	309.29	Three Hundred Nine Paise TwentyNine Only
			274.53	302.49	Three Hundred Two Paise FourtyNine Only
32	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item	Sqm	344.52	231.12	Two Hundred ThirtyOne Paise Twelve Only
33	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10	Sqm	242.55	237.91	Two Hundred ThirtySeven Paise NinetyOne Only
			55.92	237.91	Two Hundred ThirtySeven Paise NinetyOne
34	KSRB 15.5.1 : Providing Rough cement plastering 15mm thick in single coat with cement mortor 1:4 to brick masanry for base of dadooing works with sand of approved quality ,providing and removing scaffolding ,including cost of materials ,labour,curing complete as per specifications.Page No-117,Item No-15.30	Sqm	5.96	232.25	Two Hundred ThirtyTwo Paise TwentyFive Only
35	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22	Sqm	242.55	254.91	Two Hundred FiftyFour Paise NinetyOne Only
			94.63	254.91	Two Hundred FiftyFour Paise NinetyOne Only
36	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106	Sqm	350.48	88.37	EightyEight Paise ThirtySeven Only
37	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2	Sqm	635.65	101.96	One Hundred One Paise NinetySix Only

	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications Pg No 119,Item No15.49.2	Sqm	242.55	133.68	One Hundred ThirtyThree Paise SixtyEight Only
			94.63	133.68	One Hundred ThirtyThree Paise SixtyEight Only
39	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).	Sqm	199.75	115.56	One Hundred Fifteen Paise FiftySix Only
40	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).	Sqm	358.51	124.62	One Hundred TwentyFour Paise SixtyTwo Only
			274.53	124.62	One Hundred TwentyFour Paise SixtyTwo Only
41	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104 Item No 14.13	Sqm	143.31	714.87	Seven Hundred Fourteen Paise EightySeven Only
42	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13	Sqm	103.13	717.14	Seven Hundred Seventeen Paise Fourteen Only
			91.64	717.14	Seven Hundred Seventeen Paise Fourteen Only

	Providing and fixing Vitrified glazed tiles of approved make,quality .& colour of size 600 x 600 x 10 mm thick fixed on bed of 12mm thickcement mortar for flooring, skirting and jointed with neat cement slurrymixed with pigment to mach shade of tiles, including providing spacersat required interval and removing stains, including cost of all mateirals,mortar, labour, etc., Complete as per specification. Page No 109 Item No 14.45.1	Sqm	36.33	1105.73	One Thousand One Hundred Five Paise SeventyThree Only
			78.35	1105.73	One Thousand One Hundred Five Paise SeventyThree Only
44	Providing and fixing Vitrified glazed tiles of approved make,quality .& colour of size 600 x 600 x 10 mm thick fixed on bed of 12mm thickcement mortar for flooring, skirting and jointed with neat cement slurrymixed with pigment to mach shade of tiles, including providing spacersat required interval and removing stains, including cost of all mateirals,mortar, labour, etc., Complete as per specification. Page No 109 Item No 14.45.1	Sqm	114.49	1108.00	One Thousand One Hundred Eight Only
			91.34	1108.00	One Thousand One Hundred Eight Only
45	KSRB 14-14.5 : Providing Ceramic tiles of approved make,shade and size for flooring ,treads of steps and landings laid on a bed of 12mm thick,cement mortor 1:3 mix,flush pointing with white cement using Colour pigment including cost of materials,labour,curing ,complete as per specifications.for ceramic tiles of size 30 X 30cms 6mm thick	Sqm	1.80	1370.83	One Thousand Three Hundred Seventy Paise EightyThree Only
46	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 PgNo 108,Item No14.41.2	Sqm	9.76	1848.93	One Thousand Eight Hundred FourtyEight Paise NinetyThree Only
47	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1	Sqm	340.76	595.92	Five Hundred NinetyFive Paise NinetyTwo Only

	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos	3.00	1547.57	One Thousand Five Hundred FourtySeven Paise FiftySeven Only
49	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos	3.75	1551.76	One Thousand Five Hundred FiftyOne Paise SeventySix Only
			1.25	1552.10	One Thousand Five Hundred FiftyTwo Paise Ten Only
50	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11	Cum	0.39	99248.32	NinetyNine Thousand Two Hundred FourtyEight Paise ThirtyTwo Only
51	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11	Cum	0.46	99248.32	NinetyNine Thousand Two Hundred FourtyEight Paise ThirtyTwo Only
			0.19	99252.86	NinetyNine Thousand Two Hundred FiftyTwo Paise EightySix Only
52	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM), U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No.63, Item No. 9.95	Mtr	11.40	509.81	Five Hundred Nine Paise EightyOne Only

	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm	6.30	5349.65	Five Thousand Three Hundred FourtyNine Paise SixtyFive Only
54	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm	9.45	5354.18	Five Thousand Three Hundred FiftyFour Paise Eighteen Only
			1.05	5354.18	Five Thousand Three Hundred FiftyFour Paise Eighteen Only
55	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm.Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV- TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments	Sqm	2.93	4305.10	Four Thousand Three Hundred Five Paise Ten Only
56	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1	Sqm	28.35	109.88	One Hundred Nine Paise EightyEight Only

	Providing and fixing MS Grill over existing Compond Wall as Per using 16mm x 16mm M.S.Square Rod at 150mm c/c spacing and 6mm x40mm MS.flats at horizontal and 6mm x12mm M.S.flat for ornamental Design at the vertex of every vertical rods,including welding ,grinding wherever necessary.All the steel surface should be throughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete.The work includes cost of all materials ,labour charges for all items of work ,hire charges for welding,cutting and grinding equipment,and electricity charges etc,Complete as per specification.(P.No 44 of I.No.7.36 in PW,P&IWTD SR 2018-19).	Sqm	29.88	6082.65	Six Thousand EightyTwo Paise SixtyFive Only
58	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m; and shutter comprising top and bottom section of size 40mmx18mm,1.25mm thick 0.417kg/m; shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc; and providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rush and coated with greasy for non adhesion of mortor and other sticky materials:(this fixtures labbour and HOM at machinery complete as	Sqm	24.12	4956.53	Four Thousand Nine Hundred FiftySix Paise FiftyThree Only
59	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.(BCSR Item No 7.9 Page No. 34)	Kg,s	378.00	107.53	One Hundred Seven Paise FiftyThree Only

	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.(BCSR Item No 7.9,Page No. 34)	Kg,s	378.00	114.42	One Hundred Fourteen Paise FourtyTwo Only
61	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74	Sqm	119.25	107.63	One Hundred Seven Paise SixtyThree Only
			28.98	107.63	One Hundred Seven Paise SixtyThree Only
62	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (P.No.147, I.No.19.60 of PW, P&IWTD SR 2018-19)	cum	37.55	368.20	Three Hundred SixtyEight Paise Twenty Only
			18.22	368.20	Three Hundred SixtyEight Paise Twenty Only
63	PROVIDING TRAPEZOIDAL PROFIELD SHEET Providing and installing of pre painted Galvolume iron trepezoidal profiled sheet of approved make 1060mm width (1000mm cover width),28-30 mm crest height with crest distance of 200mm c/c with 2 ribs at the centre for stiffening.The Total Coated Thickness (TCT) of the Sheet will be 0.47mm +/- 0.02 mm tolerance Zinc-Alu Alloy Coating AZ 150 gsm as per ASTM 1397/a755-550 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyster top coat 20-22 microns using self drilling /Self tapping screws of 25mm lenth ,to be fixed over the existing purlins rafters channels and trusses	Sqm	99.36	779.45	Seven Hundred SeventyNine Paise FourtyFive Only
64	Fabricating,supplying and erecting, M.S.Tubular Trusses for all spans as per approved drawing and designs with prefabricated steel applications using quality materials and are durable ,reliable and corrosion and abrasion resistant.Welding shall confirm,to latest structural welding code.Quality shall be on various parameters like shape,size,design gauge and polish.The entire trusses is anchored in RCC columns by using 4 nos of MS Pipes and welding wherever necessary and appying one coat of redoxide primer coat to all members of including cost of all materials,labourcharges,and hire charges of machineries for cutting,welding,grinding and erection equipments,with all lead and lift transportation etc complete as per specifications	Kg,s	3207.00	125.75	One Hundred TwentyFive Paise SeventyFive Only

	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Short Point Up to 3m.(Page No 5/Item No 2.1.1)	Point	10.00	209.80	Two Hundred Nine Paise Eighty Only
66	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Medium Point Above 3m-6m. (Page No 5/Item No 2.1.2)	Point	10.00	288.48	Two Hundred EightyEight Paise FourtyEight Only
67	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.25mm Dia,2mm Thick. (Page No 2/Item No 1.2.2)	Rmtr	55.00	55.60	FiftyFive Paise Sixty Only
68	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.19/20mm Dia,2mm Thick. (Page No 2/Item No 1.3.1)	Rmtr	12.00	53.50	FiftyThree Paise Fifty Only
69	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.25mm Dia,2mm Thick. (Page No 2/Item No 1.3.2)	Rmtr	12.00	56.65	FiftySix Paise SixtyFive Only
70	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 way (Page No 9/Item No 3.4.1)	Each	10.00	99.66	NinetyNine Paise SixtySix Only

	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 way (Page No 9/Item No 3.4.2)	Each	10.00	110.15	One Hundred Ten Paise Fifteen Only
72	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654. 6AMP 3/5 and Switch.(Page No 9/Item No 3.1.2)	No	12.00	138.47	One Hundred ThirtyEight Paise FourtySeven Only
73	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293. (Page No 9/Item No 3.2)	Each	12.00	157.35	One Hundred FiftySeven Paise ThirtyFive Only
74	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.16Amps Combined Switch and socket with indication.(Page No 15/Item No 3.3.4)	No	12.00	203.51	Two Hundred Three Paise FiftyOne Only
75	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.16Amps Combined Switch and socket with indication.(Page No 15/Item No 3.3.4)	No	12.00	157.35	One Hundred FiftySeven Paise ThirtyFive Only
76	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694:confirming to latestamendments.1.5sqmm (Page	Rmtr	55.00	21.03	TwentyOne Paise Three Only
77	Wiring for lighting / power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694:confirming to latest amendments.2.5sqmm (Page	Rmtr	10.00	33.57	ThirtyThree Paise FiftySeven Only
78	Wiring for lighting / power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694:confirming to latest amendments.2.5sqmm (Page No 6/Item No 2.3.3)Supplying and fixing Metal Fan Box with Round Hook(Page No 3/Item No 1.1.2)	Each	10.00	89.17	EightyNine Paise Seventeen Only
79	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting(Page No 69/Item No 12.4.2)	No.s	9.00	314.70	Three Hundred Fourteen Paise Seventy Only
80	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm)(Page No	Each	9.00	2192.41	Two Thousand One Hundred NinetyTwo Paise FourtyOne Only

Signature of the Contractor

Executive Engineer
Yelahanka Division,
BBMP, Bangalore-64

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore-64